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MAY 20, 2002

PTAS

MINTZ, LEVIN, COHN & ET AL
 SONIA K. GUTERMAN, PH.D., J.D.
 GLOVSKY AND POPEO, P.C.
 ONE FINANCIAL CENTER
 BOSTON, MA 02111

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MINTZ LEVIN, BOSTON
 UNITED STATES PATENT AND TRADEMARK OFFICE
 NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

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PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 03/07/2002

REEL/FRAME: 012709/0309
 NUMBER OF PAGES: 13

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:
 WIGGINS, THOMAS

DOC DATE: 02/22/2002

ASSIGNOR:
 GHOSH, MADHUSHREE

DOC DATE: 02/19/2002

ASSIGNOR:
 BOTTEMLEY, LAWRENCE A.

DOC DATE: 02/22/2002

ASSIGNOR:
 SEMINAR, SALVATORE

DOC DATE: 02/19/2002

ASSIGNOR:
 HU, ZHIYA

DOC DATE: 02/18/2002

ASSIGNOR:
 SEELEY, TIMOTHY

DOC DATE: 02/18/2002

ASSIGNOR:
 KOSSEK, SEBASTIAN

DOC DATE: 02/20/2002

24499-530

<input checked="" type="checkbox"/> Data Entry	Date By
<input type="checkbox"/> Lock Entry	
<input type="checkbox"/> Lock Cross Off	
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<input type="checkbox"/> No Locking Req	
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012709/0309 PAGE 2

ASSIGNEE:

PROTIVERIS, INC.
9700 GREAT SENECA HIGHWAY
ROCKVILLE, MARYLAND 20850


SERIAL NUMBER: 10054760
PATENT NUMBER:

FILING DATE: 11/13/2001
ISSUE DATE:

SAUNDRA BALLENGER, EXAMINER
ASSIGNMENT DIVISION
OFFICE OF PUBLIC RECORDS

Express Mail Label No: EV054296140US
Date of Deposit: March 7, 2002

Attorney Docket No. 24499-530

FORM PTO-1595 (Rev. 6-93) OMB No. 0651-0011 (exp. 4/94)		03-27-2002 		U.S. DEPARTMENT OF COMMERCE Patent and Trademark Office	
Please		102032291		/ thereof.	
1. Name of conveying party(ies): Thomas Wiggins; Madhushree Ghosh; Lawrence A. Bottemley; Salvatore Seminar; Zhiya Hu; Timothy Seelcy and Sebastian Kossek Additional name(s) of conveying party(ies) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			2. Name and address of receiving party(ies) Name: Protiveris, Inc. Internal Address: 9700 Great Seneca Highway Rockville, MD 20850 <div style="text-align: right; margin-top: 10px;">MAR 7 2002</div>		
3. Nature of conveyance: <input checked="" type="checkbox"/> Assignment <input type="checkbox"/> Merger <input type="checkbox"/> Security Agreement <input type="checkbox"/> Change of Name <input type="checkbox"/> Other _____			Execution Date: 2/22/2002; 2/19/2002; 2/22/2002; 2/19/2002; 2/18/2002; 2/18/2002; 2/20/2002 Additional name(s) & address(es) attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
4. Application number(s) or patent number(s): 10/054,760 If this document is being filed together with a new application, the execution date of the application is _____ A. Patent Application No(s): _____ B. Patent No(s): _____ Additional numbers attached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No					
5. Name and address of party to whom correspondence Concerning document should be mailed: Name: Sonia K. Guterman, Ph.D., J.D. Address: MINTZ, LEVIN, COHN, FERRIS GLOVSKY and POPEO, P.C. One Financial Center Boston, MA 02111			6. Total number of applications and patents involved: 1 7. Total fee (37 CFR 3.41) \$40.00 <input checked="" type="checkbox"/> Enclosed <input type="checkbox"/> The Commissioner is authorized to charge Deposit Account No: 50-0311, Reference No. 24494-005		
DO NOT USE THIS SPACE					
9. Statement and signature <i>To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.</i> Sonia K. Guterman, Ph.D., Reg. No. 44,729 <u>Sonia K. Guterman</u> <u>March 7, 2002</u> <div style="display: flex; justify-content: space-between; margin-top: 5px;"> Name of Person Signing Signature Date </div>					
Total number of pages including cover sheet, attachments, and document: 17					

Mail documents to be recorded with required cover sheet information to:

BOX ASSIGNMENT
Commissioner of Patents and Trademarks
Washington, D.C. 20231

03/27/2002 T9IAZ1 00000020 10054760

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40.00 DP

TRA 1640519v1

Express Mail Label No. EV054296140US
Date of Deposit: March 7, 2002

Attorney Docket No. 24499-530
(2506/130)

ASSIGNMENT

We, Thomas Wiggins of Columbia, MD, Madhusbree Gosh of Rockville, MD, Lawrence A. Bottomley of Lawrenceville, GA, Salvatore Seminara of Chicago, IL, Zhiyu Hu of Bethesda, MD, Timothy Seeley of Bethesda, MD and Sebastian Kossek of Phoenix, AZ, the undersigned, for good and valuable consideration, the receipt of which is hereby acknowledged, hereby assign, sell and transfer to Protiveris, Inc., a Delaware corporation, with offices at 9700 Great Seneca Highway, Rockville, MD 20850 and its successors, assigns and legal representatives, all hereinafter referred to as the ASSIGNEE: (1) our entire right, title and interest for the United States and in all countries, in and to any and all inventions, discoveries and applications which are disclosed in the application for United States Letters Patent entitled:

MICROFLUIDICS APPARATUS AND METHODS FOR USE THEREOF

filed with the U.S. Patent and Trademark Office on November 13, 2001 and assigned Serial No 10/054,760 including any renewals, revivals, reissues, reexaminations, extensions, continuations and divisions thereof and any substitute applications therefor; (2) the full and complete right to file patent applications in the name of the ASSIGNEE, its designee, or in my/our names at the ASSIGNEE, or its designee's election, on the aforesaid inventions, discoveries and applications in all countries of the world; (3) the entire right, title and interest in and to any Letters Patent which may issue thereon in the United States or in any country, and any renewals, revivals, reissues, reexaminations and extensions thereof, and any patents of confirmation, registration and importation of the same; and (4) the entire right, title and interest in all Convention and Treaty Rights of all kinds thereon, including without limitation all rights of priority in any country of the world, in and to the above inventions, discoveries and applications.

We hereby authorize and request the competent authorities to grant and to issue any and all such Letters Patent in the United States and throughout the world to the ASSIGNEE of the entire right, title and interest therein, as fully and entirely as the same would have been held and enjoyed by me/us had this assignment, sale and transfer not been made.

We agree, at any time, upon the request of the ASSIGNEE, to execute and to deliver to the ASSIGNEE any additional applications for patents for said inventions and discoveries, or any part or parts thereof, and any applications for patents of confirmation, registration and importation based on any Letters Patent issuing on said inventions, discoveries, or applications and divisions, continuations, renewals, revivals, reissues, reexaminations and extensions thereof.

We further agree at any time to execute and to deliver upon request of the ASSIGNEE such additional documents, if any, as are necessary or desirable to secure patent protection on said inventions, discoveries and applications throughout all countries of the world, and otherwise to do the necessary to give full effect to and to perfect the rights of the ASSIGNEE under this Assignment, including the execution, delivery and procurement of any and all further documents evidencing this assignment, transfer and sale as may be necessary or desirable.

We hereby covenant that no assignment, sale, agreement or encumbrance has been or will be made or entered into which would conflict with this assignment.

We further covenant that ASSIGNEE will, upon its request, be provided promptly with all pertinent facts and documents relating to said invention and said Letters Patent and legal equivalents as may be known and accessible to ASSIGNOR and will testify as to the same in any interference, litigation or proceeding related thereto and will promptly execute and deliver to ASSIGNEE or its legal representatives any and all papers, instruments or affidavits required to apply for, obtain, maintain, issue and enforce said application, said invention and said Letters Patent and said equivalents thereof which may be necessary or desirable to carry out the purposes thereof.

Date: Feb 22, 2002

Thomas Wiggins
Thomas Wiggins

State of Maryland
Country of United States

Subscribed and sworn to before me this 22 day of February, 2002.

SEAL

Steven J. Rafferty
Notary Public
My commission expires 3/8/02

Date: Feb 19, 2002

Madhushree Ghosh
Madhushree Ghosh

State of _____
Country of _____

Subscribed and sworn to before me this _____ day of _____, 2002.

SEAL

Notary Public
My commission expires _____

Date: _____

Lawrence A. Bottomley

State of _____

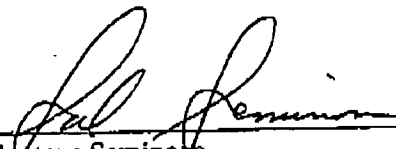
Country of _____

Subscribed and sworn to before me this ____ day of _____, 2002.

SEAL

Notary Public

My commission expires _____

Date: 2-19-2002
Salvatore Seminara

State of _____

Country of _____

Subscribed and sworn to before me this ____ day of _____, 2002.

SEAL

Notary Public

My commission expires _____

Date: _____

Zhiyu Hu

State of _____

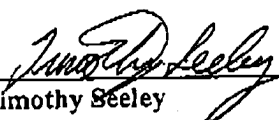
Country of _____

Subscribed and sworn to before me this ____ day of _____, 2002.

SEAL

Notary Public


My commission expires _____

Date: 2-18-02

Timothy SeeleyState of _____
Country of _____

Subscribed and sworn to before me this ____ day of _____, 2002.

SEAL

Notary Public
My commission expires _____Date: 2-20-02

Sebastian KossekState of _____
Country of _____

Subscribed and sworn to before me this ____ day of _____, 2002.

SEAL

Notary Public
My commission expires _____

TRA 1614750v1

Express Mail Label No.: EV054296140US
Date of Deposit: March 7, 2002

Attorney Docket No. 24499-530
(2506/130)

ASSIGNMENT

We, Thomas Wiggins of Columbia, MD; Madhushree Gosh of Rockville, MD; Lawrence A. Bottomley of Lawrenceville, GA; Salvatore Seminara of Chicago, IL; Zhiyu Hu of Bethesda, MD; Timothy Seeley of Bethesda, MD and Sebastian Kossek of Phoenix, AZ, the undersigned, for good and valuable consideration, the receipt of which is hereby acknowledged, hereby assign, sell and transfer to Protiveris, Inc., a Delaware corporation, with offices at 9700 Great Seneca Highway, Rockville, MD 20850 and its successors, assigns and legal representatives, all hereinafter referred to as the ASSIGNEE: (1) our entire right, title and interest for the United States and in all countries, in and to any and all inventions, discoveries and applications which are disclosed in the application for United States Letters Patent entitled:

MICROFLUIDICS APPARATUS AND METHODS FOR USE THEREOF

filed with the U.S. Patent and Trademark Office on November 13, 2001 and assigned Serial No 10/054,762 including any renewals, revivals, reissues, reexaminations, extensions, continuations and divisions thereof and any substitute applications therefor; (2) the full and complete right to file patent applications in the name of the ASSIGNEE, its designee, or in my/our names at the ASSIGNEE, or its designee's election, on the aforesaid inventions, discoveries and applications in all countries of the world; (3) the entire right, title and interest in and to any Letters Patent which may issue thereon in the United States or in any country, and any renewals, revivals, reissues, reexaminations and extensions thereof, and any patents of confirmation, registration and importation of the same; and (4) the entire right, title and interest in all Convention and Treaty Rights of all kinds thereon, including without limitation all rights of priority in any country of the world, in and to the above inventions, discoveries and applications.

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Date: _____

Thomas Wiggins

State of _____

Country of _____

Subscribed and sworn to before me this ____ day of _____, 2002.

SEAL

Notary Public

My commission expires _____

Date: Feb 19, 2002

Madhushree Ghosh

State of Maryland
Country of United States

Subscribed and sworn to before me this 19 day of February, 2002.

SEAL

Notary Public
My commission expires 3/8/02

Date: _____

Lawrence A. Bottomley

State of _____

Country of _____

Subscribed and sworn to before me this ____ day of _____, 2002.

SEAL

Notary Public

My commission expires _____

Date: 2-19-2002Salvatore Seminara
Salvatore SeminaraState of MarylandCountry of United StatesSubscribed and sworn to before me this 19 day of February, 2002.

SEAL

Steven J. Paffly
Notary PublicMy commission expires 3/8/02

Date: _____

Zhiyu Hu

State of _____

Country of _____

Subscribed and sworn to before me this ____ day of _____, 2002.


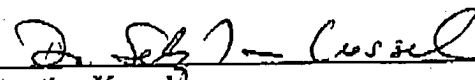
SEAL

Notary Public

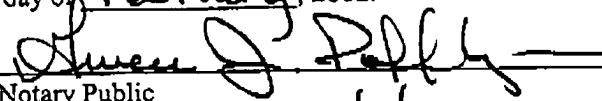
My commission expires _____

Date: 2-18-02
Timothy SeeleyState of Maryland
Country of United StatesSubscribed and sworn to before me this 18 day of February, 2002.

SEAL


Notary Public
My commission expires 3/8/02Date: 2-20-02
Sebastian KossekState of Maryland
Country of United StatesSubscribed and sworn to before me this 20 day of February, 2002.

SEAL


Notary Public
My commission expires 3/8/02

TKA 1614750v1

Express Mail Label No.: EV054296140US
Date of Deposit: March 7, 2002

Attorney Docket No. 24499-530
(2506/130)

ASSIGNMENT

We, Thomas Wiggins of Columbia, MD, Madhushree Gosh of Rockville, MD, Lawrence A. Bottomley of Lawrenceville, GA, Salvatore Seminara of Chicago, IL, Zhiyu Hu of Bethesda, MD, Timothy Seeley of Bethesda, MD and Sebastian Kossek of Phoenix, AZ, the undersigned, for good and valuable consideration, the receipt of which is hereby acknowledged, hereby assign, sell and transfer to Protiveris, Inc., a Delaware corporation, with offices at 9700 Great Seneca Highway, Rockville, MD 20850 and its successors, assigns and legal representatives, all hereinafter referred to as the ASSIGNEE: (1) our entire right, title and interest for the United States and in all countries, in and to any and all inventions, discoveries and applications which are disclosed in the application for United States Letters Patent entitled:

MICROFLUIDICS APPARATUS AND METHODS FOR USE THEREOF

filed with the U.S. Patent and Trademark Office on November 13, 2001 and assigned Serial No 10/054,762 including any renewals, revivals, reissues, reexaminations, extensions, continuations and divisions thereof and any substitute applications therefor; (2) the full and complete right to file patent applications in the name of the ASSIGNEE, its designee, or in my/our names at the ASSIGNEE, or its designee's election, on the aforesaid inventions, discoveries and applications in all countries of the world; (3) the entire right, title and interest in and to any Letters Patent which may issue thereon in the United States or in any country, and any renewals, revivals, reissues, reexaminations and extensions thereof, and any patents of confirmation, registration and importation of the same; and (4) the entire right, title and interest in all Convention and Treaty Rights of all kinds thereon, including without limitation all rights of priority in any country of the world, in and to the above inventions, discoveries and applications.

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Date: _____

Thomas Wiggins

State of _____

Country of _____

Subscribed and sworn to before me this ____ day of _____, 2002.

SEAL

Notary Public

My commission expires _____

Date: _____

Madhushree Ghosh

State of _____

Country of _____

Subscribed and sworn to before me this ____ day of _____, 2002.

SEAL

Notary Public

My commission expires _____

Date: _____

Timothy Seeley

State of _____

Country of _____

Subscribed and sworn to before me this ____ day of _____, 2002.

SEAL

Notary Public

My commission expires _____

Date: _____

Sebastian Kossek

State of _____

Country of _____

Subscribed and sworn to before me this ____ day of _____, 2002.

SEAL

Notary Public

My commission expires _____

TRA 1614750v1

Date: 2-22-02

La Bottomley
Lawrence A. Bottomley

State of Maryland
Country of United States

Subscribed and sworn to before me this 22 day of February, 2002.

SEAL

Shirley J. Paffly
Notary Public
My commission expires 3/8/02

Date: _____

Salvatore Seminara

State of _____
Country of _____

Subscribed and sworn to before me this ____ day of _____, 2002.

SEAL

Notary Public
My commission expires _____

Date: _____

Zhiyu Hu

State of _____
Country of _____

Subscribed and sworn to before me this ____ day of _____, 2002.

SEAL

Notary Public
My commission expires _____

Express Mail Label No.: EV054296140US
Date of Deposit: March 7, 2002

Attorney Docket No. 24499-530
(2506/130)

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Date: _____

Thomas Wiggins

State of _____

Country of _____

Subscribed and sworn to before me this ____ day of _____, 2002.

SEAL

Notary Public

My commission expires _____

Date: _____

Madhushree Ghosh

State of _____

Country of _____

Subscribed and sworn to before me this ____ day of _____, 2002.

SEAL

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My commission expires _____

Date: _____

Timothy Seeley

State of _____

Country of _____

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SEAL

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Date: _____

Sebastian Kossek

State of _____

Country of _____

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TRA 1614750v1

Date: _____

Lawrence A. Bottomley

State of _____

Country of _____

Subscribed and sworn to before me this _____ day of _____, 2002.

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My commission expires _____

Date: _____

Salvatore Seminara

State of _____

Country of _____

Subscribed and sworn to before me this _____ day of _____, 2002.

SEAL

Notary Public

My commission expires _____

Date: 2/18/02Zhiyu HuState of MarylandCountry of United StatesSubscribed and sworn to before me this 18 day of February, 2002.

SEAL

Notary PublicMy commission expires 3/8/02